# LOCALITY MAP Western Region - Harvest Plan

Management Area: PILLIGA

State Forest No: 266

State Forest Name: PILLIGA EAST Compartments: 478, 479

Compartment Areas (ha): 822, 982



st Heritage Sites

**LEGEND** 

Compartment(s) of interest

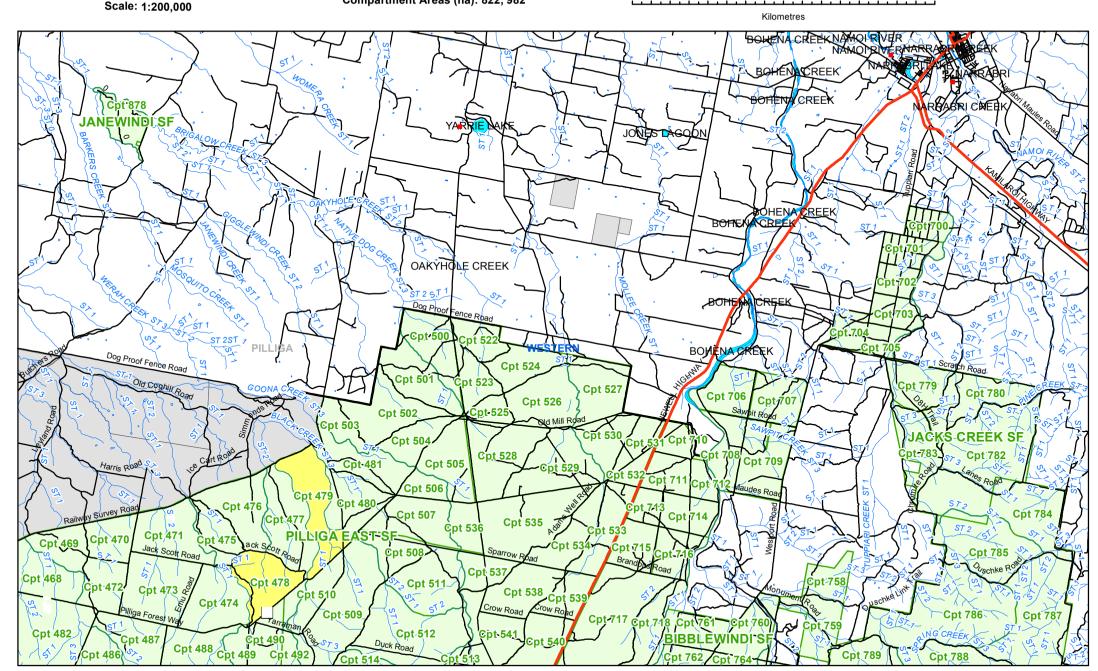
State Forest

Locality

Highway

Maior Drainage

Roads



#### HARVEST PLAN OPERATIONAL MAP Western Region - Harvest Plan WBcfi 1505 Approved: State Forest Name: Pilliga East **Forestry** Approval Date: Corporation Compartments: 478, 479 Scale: 1:50,000 Unburnt Areas Available For Harvest: Cpt 478 = 584ha, Cpt 479 = 887ha 731000 732000 733000 734000 736000 737000 Cpt 502 **Cpt 504** Ice Cart Ro Cpt 481 **Cpt 479** Cpt 480 **Cpt 476** 6617000 Cpt 507 Cpt 477 **9**5ha BURNT UBBC PILLIGA EAST SF pt 508 💆 238ha BURNT Scott Ro Cpt 511 **Cpt 478** Cpt 510 **Cpt 474** Cpt 492 6612000 6612000 Cpt 512 **Cpt 490** 729000 730000 731000 732000 733000 734000 735000 736000 737000 Roads **General Features Drainage Buffers** Non-Harvest Area Highway Inventory/Research Plots 50m Stream Buffer (5th Order) Special Protection (FMZ 1) ✓ Road Special Management (FMZ 2) 40m Stream Buffer (4th Order) □ Crossing 30m Stream Buffer (3rd Order) Harvesting Exclusion (FMZ 3A) Roads Class (•) Log Dump (temporary) 20m Stream Buffer (2nd Order) Operation Flora/Fauna Exclusion Units Trig/Repeater Station Fire Control Line 10m Stream Buffer (1st Order) **Harvest Area** Contour Water Features Other Exclusions Available for Harvesting (FMZ 4) Transmission Line Drainage EEC Modified Harvest Area (FMZ 3B) ✓ Railway Dam Wetlands Heritage Points Boundaries Area Burnt March 2015 Wildfire 🦰 Heath Aboriginal Points State Forest Boundary Grey Crowned Babbler Nests 733478E/ 6618312N NPWS NSW Topo Map Produced August 14, 2015, 9:14 AM



# FORESTRY CORPORATION OF NEW SOUTH WALES- WESTERN REGION NATIVE FOREST HARVESTING PLAN WBcfi 1505

This plan has been prepared in accordance with the Integrated Forestry Operations Approval issued

Refer: FPC 2010/01

Page 1

# Pilliga East State Forest - Compartments 478 & 479

Certification

# under the Forestry and National Park Estate Act 1998. The Standard Harvest Plan Conditions for Native Forest Operations in Western Region - Brigalow Nandewar v3 apply to this operation. Prepared By: Adam Kirby Approved By: Andrew O'Brien Endorsed By: Ross Irvine Assistant District Manager Senior Manager **Environment & Resource Manager** Signature Signature Date Date 24 18 12015 Date 4 1972015 4 15/12015 Note: Approval includes the Harvest Plan Operational Map (HPOM) with the corresponding approval date displayed on the map, verifying final approved version. Locality and forest type maps are included for information only and do not form a part of this approval. PRE-OPERATIONAL BRIEFING (SUPERVISING FOREST OFFICER ACKNOWLEDGMENT) I confirm that I have received a copy of the Harvest Plan for the above Compartment. I have been briefed on the conditions of the Plan. I understand the requirements for supervision and operational control as explained to me by the Forest Manager or his/her delegate. SUPERVISING FOREST OFFICER: \_\_\_\_\_\_ Signature: \_\_\_\_ Date: PRE-OPERATIONAL BRIEFING (LICENSEE/CONTRACTOR ACKNOWLEDGMENT) I confirm that I have received a copy of this Harvest Plan and that: I understand the conditions of the Plan. I will inform all relevant people not present at this briefing, prior to them starting operations, of these aspects of the Plan, as explained to me by a Forests NSW officer. Licence No: Principal licensee/contractor/other (explain) Signature: \_\_\_\_\_\_\_Date: \_\_\_\_\_\_ Position: Licence No: Principal licensee/contractor/other (explain)

Ver. 3.2 April 2015

Brigalow Nandewar IFOA Harvest Plan

## **Description of Proposal**

White cypress sawlogs, ironbark sawlogs and green and dry residue will be harvested under regulation of the Integrated Forest Operations Approval for Brigalow-Nandewar Region (B-N IFOA).

The operation will use mainly mechanical harvesting and processing to produce logs and forward them to dumps. The logs will be removed from the forest by truck.

Natural regeneration is planned. No after-harvest burning or planting is proposed.

No construction, reopening or upgrading of roads or bush tracks is proposed. Existing roads and tracks will be maintained in accordance with the <u>Standard Harvest Plan</u> Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.

**Attachment 1:** Site Safety Plan prescribes the safety requirements and Medical Emergency Evacuation Plan for this harvesting operation.

#### **Area Identification and Yield Estimates**

State Forest	Compartment/s	Region	Management Area	Harvest Plan ID	
Pilliga East	478, 479	Western	Pilliga	10755	

COMPARTMENT	478	479
Plan Cpt Event ID	22111	22112
Gross Area (ha)	822	982
Net Harvest Area (ha)	584	887
Estimated Yield Cypress Sawlog (m³)	2000	4500
Estimated Yield Ironbark / Hardwood Sawlog (m <sup>3</sup> )	150	250
Estimated Yield Residue (t)	100	100

#### **Silviculture and Harvesting Prescriptions**

The planning area has a history of commercial and non-commercial cypress thinning, cypress stand improvement, and ironbark sawlog and sleeper harvesting, with reliable records going back to 1962. As shown on the Forest Type Map, the dominant/codominant forest types throughout the planning area are combinations of white cypress, narrow-leaved ironbark and bull oak, with smaller areas of Blakely's red gum, roughbarked apple, Pilliga box, brown bloodwood, Mugga ironbark and mallee occurring throughout the planning area. Mature white cypress stands within these compartments were established during regeneration events in the 1890's and 1950's. These stands have been thinned on several occasions, with the last commercial harvesting event occurring in 2000-2001. The last ironbark harvest operation occurred in 1995, that being a sleeper cutting operation.

Regeneration establishment and stand improvement have resulted from this disturbance, creating conditions suitable for a combination of commercial thinning (vertical cut silviculture) and release harvest. The area of each silvicultural treatment must be mapped and recorded in the Post-logging information section of this plan.

As shown on the HPOM, a major wildfire impacted the planning area in March 2015these areas will be subject to a separate salvage logging operation.

The table below depicts the history of the operational area:

Year	1962-67	1970/76	1980/81	1984-88	1995	2000-01	2015
TSI	Х	V	X	X	X	X	Х
NCT	V	X	X	X	X	X	Х
HR Burning	Х	X	X	X	X	X	X
Wildfires	Х	X	X	X	X	X	V
Logging Cypress Sawlog	V	V	V	V	X	V	X
Logging Hardwood Sawlog	V	X	X	X	V	X	X

 $\sqrt{ }$  - applies, X – not applicable

#### Silvicultural Planning

According to stand variability, a combination of cypress release and thinning, and harvesting of ironbark will be undertaken in this operation as per the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3</u>.

The cypress 'release' operation is aimed at releasing established regeneration from competition with the mature overstorey. Once released, the stand will require thinning in the next 10-20 years.

The cypress thinning operation is aimed at reducing competing stems whilst concentrating growth on the retained, higher quality, future sawlogs. This stand will require further thinning in around 10-20 years.

The Ironbark Sawlog operation is aimed at removing commercially mature trees, trees lacking potential for future growth and trees competing with more dominant trees within the stand. Where regeneration is not present or unlikely to occur, trees should be selected to build upon canopy openings so as to encourage establishment and development of regeneration.

Bull oak & dry firewood will be harvested as per <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.</u> Dry firewood must not be harvested beyond 31 December 2015.

The SFO will ensure that all relevant tree retention and silvicultural prescriptions are met during harvesting operations.

The operation must, as far as practicable, not damage individual plants of good form regeneration or sapling size of white cypress or ironbark, especially where there are few others nearby.

### **Tree Marking**

#### Cypress

The area will be **primarily** tree marked for **retention**. In any such area, the operation must, as far as practicable:

- For the allowed species, fall each tree not marked for retention, unless it clearly does not meet the Specifications for White Cypress Sawlogs (Appendix 1 of the <u>Standard Harvest Plan Conditions for Native Forest</u> <u>Operations in Western Region – Brigalow Nandewar v3</u>), AND
- Not fall or damage trees marked for retention, or marked as boundary trees.

At the discretion of the SFO, areas of merchantable Cypress may be tree marked for **removal** if stand conditions dictate. Any change in marking technique must be noted in the SFO's Notes, and these areas annotated on the HPOM. Boundaries between the different marking strategies must be clearly defined in the field, with harvest contractors advised of the change in marking strategy.

In any such areas the operation must, as far as practicable:

- For the allowed species, fall each tree marked for removal, unless it clearly does not meet the Specifications for White Cypress Sawlogs (Appendix 1 of the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region Brigalow Nandewar v3</u>), AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

#### <u>Ironbark</u>

The area will be tree marked for **removal**. The operation must, as far as practicable:

- For the allowed species, fall each tree marked for removal, unless it clearly does not meet the Specifications for Western Ironbark Sawlogs (Appendix 2 of the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region Brigalow Nandewar v3</u>), AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

#### Bull oak & dry firewood

No additional marking for these products is proposed. Harvesting will be as per <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.</u>

#### 4. Special Conditions

#### Critical boundaries

The Compartments are bounded by a combination of roads and drainage lines. Refer to the HPOM for more detail. Apart from drainage feature protection zones, marking of the compartment boundaries is not proposed.

# **Private Property**

No private property adjoins the planning area.

#### **National Park**

As shown on the HPOM, Pilliga State Conservation Area lies to the north of the planning area, with Railway Survey Rd providing a boundary between the estates.

#### **Research / Inventory Plots**

As shown on the HPOM, there are no research or inventory plots in these Compartments.

#### Leases/OPs

The area is covered by an Occupation Permit for beekeeping. In particular:

Apiary Sites. A 20m buffer must be applied around each bee hive encountered.

### **Transmission Lines/Cables/Pipelines**

There are no known transmission lines/cables/pipelines in the planned area.

### **Forest Management Zoning Conditions**

FMZ 4 'General Management' occurs within the compartment (shown on HPOM). Normal harvesting prescriptions apply in this area.

### **Cultural Heritage Conditions**

There are no cultural heritage sites (Aboriginal or non-Aboriginal) known in these compartments. As shown on the HPOM, there are ruins of a fire tower on the eastern side of Pilliga Forest Way, which is not part of the planning area. If a site that might be a cultural heritage site is found:

- Its location must be promptly reported to the Forestry Office via Supervising Forest Officer.
- A 20m no-harvest zone must be applied around this site until advised otherwise

#### Flora and Fauna Conditions

The SFO must search for threatened species and mark-up the block as per the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.</u>

### **Mark-up Conditions**

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u> for prescriptions.

### **Tree Retention Conditions**

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western</u> <u>Region. – Brigalow Nandewar</u> v3 for prescriptions.

### Site-Specific Conditions, Exclusion Zones & Modified Harvest Areas

Blakely's red gum occurs throughout the operational area, with some areas potentially qualifying as Box Gum Woodland EEC. Where such areas are encountered when marking up, field staff must refer to Schedule 8 Parts 1 and 2 of the Brigalow-Nandewar IFOA (as per Attachment 1 of the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u>) to determine the appropriate marking and operational strategies. Where the area is determined **not** to be Box Gum Woodland EEC, it should be treated as per the rest of the operation. Where the area **is** determined to be Box Gum Woodland EEC, the harvest planning forester must be consulted regarding Clauses 270-273 of the Brigalow-Nandewar IFOA. The extent and location of such EECs must also be GPS mapped so that a written record of such may be recorded as per IFOA Clause 260.

There are no known areas of heath, rocky outcrops, cliffs and/or endangered ecological community (EEC) occurring within the net operational area that need additional harvest exclusions or modified harvesting zones implemented.

The SFO should watch out for any of these areas that may occur.

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western</u> Region. – Brigalow Nandewar v3 for prescriptions.

## **Species Known or Likely to Occur**

As shown on the HPOM, two grey-crowned babbler nests were observed during preharvest survey at grid reference 733478E/ 6618312N (GDA 94 Zone 55). As per IFOA Clause 209(2), damage to the nest and tree or shrub that contains the nest must be avoided or minimised to the greatest extent practicable.

There are no other known records of Threatened fauna, flora or habitat features present within the planning area that require prescriptions within this plan.

Contractors and supervisory staff must immediately report any sightings of Schedule 1 and 2 species to the Supervising Forester. The Harvesting Plan must then be amended to include additional prescriptions if necessary.

# **Fisheries Licence Conditions**

Applicable Fisheries Licence conditions are detailed in the Brigalow – Nandewar IFOA. Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u> for prescriptions.

#### **Soil and Water Protection Conditions**

Applicable Environmental Protection Licence conditions are detailed in the Brigalow – Nandewar IFOA. Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u> for prescriptions.

Site-specific EPL conditions – The following features may occur within the planned area. Refer to HPOM for more detail.

Elements	Conditions
Unmapped Drainage Lines	5m Drainage Feature Protection Zone
1 <sup>st</sup> order mapped drainage line or mapped drainage depression	10m Drainage Feature Protection Zone
2 <sup>nd</sup> order mapped drainage line or mapped drainage depression	20m Drainage Feature Protection Zone
3 <sup>rd</sup> order mapped drainage line or mapped drainage depression	30m Drainage Feature Protection Zone
4 <sup>th</sup> order mapped drainage line or mapped drainage depression	40m Drainage Feature Protection Zone
5 <sup>th</sup> order mapped drainage line or mapped drainage depression	50m Drainage Feature Protection Zone

It is the responsibility of the SFO to identify any exclusion areas which will need to be crossed during harvesting. The SFO should then contact the Planning Forester to obtain the necessary approval.

There are 8 existing drainage feature crossings proposed to be used on operational roads, as shown on the HPOM. No upgrading works are proposed for these crossings.

#### **Road Works Conditions**

Approximately 26km of existing roads, tracks and crossings will be maintained in accordance with the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u>.

# **Legal Conditions**

This operation may only proceed while this operational plan, the relevant site safety plan and the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3</u> are held on site.

This operation must comply with the following:

associated licences:

Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar
Licence conditions issued by Forests NSW under the Forestry Act (1916).
Forest Practices Code, Part 2, Timber Harvesting In Native Forests (4 <sup>th</sup> edition 1999).
Forest Practices Code, Part 4, Forest Roads and Fire Trails (1999).
Integrated Forestry Operations Approval issued under Part 4 of the Forestry and National Parks Estate Act 1998 (IFOA) as amended May 2003 including

- Threatened Species Conservation Licence (TSCL) issued under the Threatened Species Conservation Act 1995
- Fisheries Management Licence issued under Part 7 (Div 3) Fisheries Management Act 1994
- Environmental Protection Licence (EPL) issued under the Protection of the Environment Operations Act 1997.

# SFO FEATURE USAGE RECORD - LOG DUMPS

# Dates of commencement and cessation of logging

Date of commencement of logging:	
Date of cessation of logging:	

#### **DUMP USAGE RECORD**

Record the commencement and completion of harvesting at each dump

Dump number	Start date	Finish date	Easting*	Northing*	**Temporary track drainage Required?	Comment

<sup>\*</sup> GPS coordinates in MGA 1994 Zone: 55

<sup>\*\*</sup> If a downhill extraction track enters a log dump from the uphill side, then at the end of each day on which it is used during a logging operation, a drainage structure must be in place on the extraction track within 40 metres of the log dump, on its uphill side.

# Supervising Forest Officer's Notes

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment
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Certificate Of Clearance To Move From Current Compartment(s)
To:, Supervising Forest Officer.
I request approval to move my logging crew and all associated machinery from Compartment(s) in State Forest to the next area in accordance with Section 5.5 of the Forest Practices
Code Part 2 Timber Harvesting In Native Forests.
I certify that:
all permanent roads, trails and mitre drains have been cleared of harvesting debris;
butt damage to retained trees has been kept to acceptable limits;
all trees marked for removal have been felled;
utilisation limits have been satisfactorily met;
stump heights conform to requirements;
all hanging trees have been brought down;
all log dump sites have been satisfactorily restored as required;
harvesting debris is not accumulated around retained trees;
all accumulated litter has been disposed of properly;
all modified harvesting conditions have been complied with;
all snig track and road drainage has been installed satisfactorily and other required rehabilitation work has been completed;
all necessary repairs to damaged roads, signs, fences and other structures have been carried out.
I believe that I have met all my obligations under the conditions of the Timber Licence that applies to the area just completed and any N&PW Act Licence that applies to the area just completed, as stated in this Harvest Plan.
Signature: Licence No:
Signature: Licence No:  Date:
Licensee/Contractor
As a result of inspections of the logging operations carried out in accordance with this Harvest Plan, I am satisfied that, to the best of my knowledge, the harvesting licensee/contractor responsible for this harvesting operation has satisfactorily completed all work. Approval is given for her/him to remove her/his machinery and equipment and leave the area/commence operations in another harvesting plan area, being:  Compartment(s):, in State Forest.  This clearance does not release the licensee/contractor from any obligation to undertake any remedial work if deficiencies, found during any inspections of the area made within 12 months of the date of this post-harvesting inspection, are shown to have resulted from inadequate practices during the harvesting operation.  Date of last inspection of the area by the Supervising Forest Officer:
date:
Signature Name

HARVEST PLAN AMENDMENT RECORD				

Amendment No. & type						Amendment Details	All Copies Amended	Signature
Number	Major	Minor						
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

**Note**: The purpose of this log is to track amendments to the Harvest Plan from time of first approval. All maps, Harvest Plans etc. are to be clearly identified with a version # and date so that changes to the Plan may be clearly identifiable. The Harvest Planner is responsible for ensuring all amendments are implemented, recorded and filed

# Supervising Forest Officer's Hand-Over Acknowledgment

I confirm that I have received a copy of the Harvest Plan for the above Compartment. I have been briefed on the conditions of the Plan and the progress of the operation. I understand the requirements for supervision and operational control, as explained to me by the current SUPERVISING FOREST OFFICER.

Signature:		Date:
Position:	Incoming Supervising Forest Officer	
Signature:		Date:
	Incoming Supervising Forest Officer	
Signature:		Date:
Position:	Incoming Supervising Forest Officer	
Signature:		Date:
Position:	Incoming Supervising Forest Officer	
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Position:	Incoming Supervising Forest Officer	
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	Incoming Supervising Forest Officer	

# RECORD OF INCIDENTAL THREATENED PLANT OR THREATENED FAUNA FEATURE SIGHTING

- For each occurrence/population sighted/identified, a separate form 5 must be filled out and provided to the Region Ecologist as soon as practicable. The details must also be recorded on this form in the Supervising Forest Officer's copy of the operational plan, with the date the separate form 5 went to the Ecologist.
- Some features or species require no further prescription but should still be recorded while other features or species require an immediate prescription and/or further survey before logging may continue in the vicinity.
- Locations of species/features recorded on this form should be noted on the operational map.
   IR form = incidental record form 5. ECO = Regional Ecologist

Species or features detected (include type, number, etc.)	Map datu Location (MC	m GDA94 GA reference) Northing (7-digit)	Action taken	Date IR form
	Easting (6-digit)	Northing (7-digit)		given to ECO

Ver. 3.2 May 2015

# Supervising Forest Officer's Post-Harvesting Notes

Record significant circumstances about harvesting this area. Draw or attach an annotated operational scale map.

# **ACTUAL AREA HARVESTED** (by silvicultural treatment)

Treatment	code on	Area (ha)	REGE	N QUAL	ITY	REGE	N DENS	ITY	
	map	treated	Good	Fair	Poor	Dense	Fair	sparse	COMMENTS
THINNED	T1								
	T2								
RELEASED	R1								
	R2								
SALVAGE	S1								
	S2								
Not	NH1								
Harvested	NN2								
	NH3								

POSSIBLE NEXT HARVEST C = cypress H = hardwood    Main product type	C = cypress H = hardwood						
C = cypress H = hardwood    C = cypress H = hardwood   Cor H in each relevant cell)   High   Medium   Low	C = cypress H = hardwood						
High quality large sawlog High quality small sawlog Low quality sawlog Fencing/posts Vineyard posts (cypress) Residue  Code on map Comment Habitat trees / Non-merchantable  10 to 5 years to next harvest 10 to 20 years to next harvest 20 to 30 years to next harvest 30 plus years to next harvest 30 plus years to next harvest Sites of soil erosion for attention.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	High quality large sawlog High quality small sawlog Low quality sawlog Fencing/posts Vineyard posts (cypress) Residue  Ode on map  Comment Habitat trees / Non-merchantable  1 0 to 5 years to next harvest 1 10 to 20 years to next harvest 20 to 30 years to next harvest 30 plus years to next harvest Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	POSSIBLE N					
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Fencing/posts Vineyard posts (cypress) Residue  Code on map	Fencing/posts Vineyard posts (cypress) Residue  Code on map Comment Habitat trees / Non-merchantable  Do to 5 years to next harvest Do to 10 years to next harvest Do to 20 years to next harvest Do to 30 years to next harvest Sites of soil erosion for attention.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)			High quality small sawlog			
Vineyard posts (cypress)   Residue	Vineyard posts (cypress)   Residue			Low quality sawlog			
Residue  Code on map Comment Habitat trees / Non-merchantable  1 0 to 5 years to next harvest 1 10 to 20 years to next harvest 20 to 30 years to next harvest 30 plus years to next harvest Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Residue  Code on map Comment Habitat trees / Non-merchantable  1 0 to 5 years to next harvest 1 10 to 20 years to next harvest 20 to 30 years to next harvest 30 plus years to next harvest Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)			Fencing/posts			
Code on map	Code on map			Vineyard posts (cypress)			
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□ 10 to 20 years to next harvest □ 20 to 30 years to next harvest □ 30 plus years to next harvest  Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	□ 10 to 20 years to next harvest □ 20 to 30 years to next harvest □ 30 plus years to next harvest  Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)		0 to 5 years to next harve	est .			
□ 10 to 20 years to next harvest □ 20 to 30 years to next harvest □ 30 plus years to next harvest  Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	□ 10 to 20 years to next harvest □ 20 to 30 years to next harvest □ 30 plus years to next harvest  Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)		5 to 10 years to next harve	est			
Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)		10 to 20 years to next harve	est			
Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)		20 to 30 years to next harve	est			
Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Noxious or environmental weed problems; high levels of feral animal use.  Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)		30 plus years to next harve	st			
. Sites of soil erosion for attention.  . Boundary compromised; neighbour issues resulting from logging or haulage.  . Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Sites of soil erosion for attention.  Boundary compromised; neighbour issues resulting from logging or haulage.  Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Mayious or or	nviranmental wood problems: high	lovels of foral animal use			
. Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)	Sites of soil e	erosion for attention.				
		Boundary cor	mpromised; neighbour issues resul	lting from logging or haulage.			
. Any other comments – SUPERVISING FOREST OFFICER / FA / Forester	Any other comments – SUPERVISING FOREST OFFICER / FA / Forester	Operation ma	ap errors for attention (e.g. forest ty	ype; roads) of appropriate staff (e.g. GIS	, Planner)		
		Any other cor	mments – SUPERVISING FORES	T OFFICER / FA / Forester			

# RECORD OF BASAL AREA SWEEPS OF ALL RETAINED STEMS - 10cm dbhob or larger

Date	Before or	Category	Component						
(and GPS grid ref optional)	after harvest		All trees	White cypress	Ironbark	Other species			
	Before	merchantable							
	OR	pre-merch	-						
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch							
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch							
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch							
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch							
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch							
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							
	Before	merchantable							
	OR	pre-merch	-						
	After	non-merch							
		total							
trees marked for (circle	correct one): ret	ention / removal							

BA is measured at 1.3m above the ground, and does not include stems less than 10cm diameter at that point.

# Operational plan distribution and amendment control sheet ('DACS')

Date approved by RM	Plan number	See page header	State Forest or Property/County	See page header
Date Environment & Resources Manager review is required			Compartment or Parish/Portion or Lot/DP	See page header

<u>Amendment</u>: Normally the supervising Forester would amend the Office, Forester and SFO copies on explaining the amendment to the SFO, and should annotate the Amendment record (Form 11) in them. The SFO (or Forester as applicable) should amend the bush crew copy/copies when explaining it to the bush operators, and should annotate the Amendment record (Form 11) in it/them.

Plan copy	Name of recipient	Delive	ry to rec	ipient		Amendment affected in plan copies					Plan recall					
		Method	Date	By (initials)	,	1		2	(	3	4	1		5	Date	Date
		H = hand	done	(initials)	Date	Ву	Date	Ву	Date	Ву	Date	Ву	Date	Ву	received	destroyed
		E = email M = mail			done	(initials)	done	(initials)	done	(initials)	done	(initials)	done	(initials)		
RO																
Ops Centre																
Supervising Forester																
SFO																
Bush crew supervisor																
Contractor																
Customer																

# CERTIFICATION OF COMPLETION OF THE OPERATION

This checklist is intended to comprise the top page in the planning documentation folder / wallet

Region:	see page header	State Forest OR see page header County/parish
Management Area:	see page header	Compartment OR see page header Portion, lot/DP, property

Tick when added to set	Documentation		Comment	
1. 🔲	Data search results – flora and fauna			
2. 🗌	Data search results – indigenous cultural h	neritage		
3. 🗌	Data search results – non-indigenous cultu	ural heritage		
4. 🗌	Copy (if any) of the flora/fauna survey reporthe original survey data sheets)	ort(s) (Ecologist retains		
5. 🗌	Copy (if any) of the indigenous cultural he and original data	eritage survey report(s)		
6. 🗌	Copy (if any) of the non-indigenous cureport(s) and original data sheets	ıltural heritage survey		
7. 🗌	Records of consultation with regulators, inc consent, concurrence, etc (eg individual Act consent, concurrence from RLPB)			
8. 🗌	Records of consultation with lessees and/o	or permittees		
9. 🗌	Records of consultation with stakeholders	and the community		
10. 🗌	Copies of notifications sent (eg neighbours	s, Lands)		
11. 🔲	Environmental impact assessment			
12. 🗌	Due diligence checklist (form 10.1)			
13. 🗌	Quality control checklist (form 10.2)			
14. 🗌	Operational plan with signed approval pag	es		
15. 🗌	The Distribution Control Sheet for the plan			
16. 🗌	The Amendment Control Sheet for the plan	n		
17. 🗌	Copies of all revisions of and amendments	to the plan		
18. 🗌	Supervising Forest Officer's copy of the (form 4), incidental records (eg forms 5, 20 post-harvest notes (form 6), other notes/ar	), 22), briefing records,		
19. 🗌	Completed clearance certificate (form 7) –	only harvesting		
identified	ontains all documents associated with plani in the table above and is complete for interr	nal/external audit purpose	es;	•
_	ant information from them has been transfe	-	-	nd
J The Region  Position	on's geodatabase has been updated for the	•	peration.	Date
r usiliui1	31	gnature		Dale
Comment				